

Construction of road from
Jaitpur Deokund Road to L028

Measurement Book

Schedule XLV-Form No. 134

DIVISION

21874721C

SUB-DIVISION

710

21874721C → 21874721C

1st on A/C Bill

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Name of Work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement -

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const. of road for					
Comfert Dildwagpur to Loz					
Talitpur - Deokund road.					
Agency - Sri Bhim Singh.					
Agreement No. - 74 MMC, Sy 60-21					
Date of commencement -				19-02-21	
Date of completion -				18-02-22	
Date of survey -				5-5-2021	

el w calculation chart

CH:	Dist	Full	Area	Fill	Vol.
0	-	4.465	-	-	-
50	50	2.985	186	230	
100	50	4.341	183	130	
150	50	4.847	229	700	
200	50	4.495	233	560	
250	50	4.679	229	350	
300	50	4.884	239	060	
350	50	4.880	244	100	
400	50	4.657	238	440	
450	50	4.927	239	590	
500	50	4.917	246	100	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
540	50	5.023	248.510		m ³
600	50	5.207	255.750		
650	50	4.700	247.690		
700	50	5.025	243.140		
750	50	4.046	226.780		
		(A)	3491.130		
800	50	4.867	222.830		
850	50	5.057	248.110		
900	50	4.357	235.340		
950	50	4.842	229.980		
1000	50	5.498	258.500		
1050	50	5.063	264.030		
1100	50	5.027	252.250		
1150	50	4.797	245.620		
1200	50	4.552	233.720		
1250	50	4.416	224.180		
1300	50	4.465	222.000		
1350	50	5.271	243.390		
		(B)	2879.930		
1400	50	6.671	298.540		
1450	50	5.964	315.860		
1500	50	3.677	241.030		
1550	50	5.449	228.170		
1600	50	5.703	278.810		
1650	50	6.878	314.530		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
CH? Dist. Fill Area Fill Vol.					
1700	50	6.757			340.880
1730	30	6.193			194.240
			(3)		1128.460
① Est Const. of embankment with					
100 m reach.					
Qty. (A)					3491.130 m ³
1500 (C)					1083.690 "
1700					4574.730 m ³
Deduction.					
① Gr. SB. 7 11.390 m ³					
W.B. m. gr. III -		272.530			
Sub grade -		2332.900			
		3346.820			3346.820
					1227.910 m ³
① with 1000 m reach.					
Qty (B)					2879.930
(D)					1128.460
Ded.					4008.390
① Gr. SB -		439.460			
W.B. m. gr. III -		477.360			
Hard shoulder -		48.750			
Sub grade -		195.980			
		1161.550 (G)			1161.550
					2846.840 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
531. 2nd F.A. Area F.A. 100 m ²					
530	50	5.023		248.510	
600	50	5.207		255.750	
650	50	4.700		247.690	
700	50	5.025		243.140	
750	50	4.046		226.780	
		(A)		3091.130	
800	50	4.867		222.830	
850	50	5.057		248.110	
900	50	4.357		235.340	
950	50	4.842		229.960	
1000	50	5.498		253.500	
1050	50	5.063		264.030	
1100	50	5.027		252.250	
1150	50	4.797		245.620	
1200	50	4.552		233.720	
1250	50	4.416		224.180	
1300	50	4.465		222.000	
1350	50	5.271		243.390	
		(B)		2879.930	
1400	50	6.671		298.540	
1450	50	5.969		315.860	
1500	50	3.677		241.030	
1550	50	5.449		228.170	
1600	50	5.703		278.810	
1650	50	6.878		314.530	

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Painting of parapet					
	2x	3.60m	x 0.40m		= 2.88 m ²
	4x	3.60m	x 0.60m		= 8.64
	4x	0.40m	x 0.60m		= 0.96
					12.48 m ²
					x 4 = 49.92 m ²

(6) setting out pillars

(i) Bench mark pillars - 2 Nos.

(ii) Reference pillar = 6 Nos.

(7) Clearing & grubbing

2x 1730m x 3.50m = 1.21 Ha

(8) Borrow cutting

2x 200m x 0.775m x 0.100 = 31.00

2x 380m x 0.625m x 0.100 = 47.50

78.50 m³

(9) const. of embankment

with material obtained from roadway cutting.

78.50 m³ x 60/100 = 47.10 m³

(10) Const. of subgrade

750m x 7.276m x 0.30m = 1637.10 m³

(i) with 1000m lead

1637.10 m³ x 30/100 = 491.13 m³

(ii) with 100m lead

1637.10 m³ x 70/100 = 1145.97 m³

Sharma
5.5.21
JE

Continuation

Signature
5/5/21
AR

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement = 8-7-21					
① Provisional W.P. masonry (masonry) m ³					
4 X 25 m X 3.75 m X 0.075 m =					28.125
4 X 25 m X 3.75 m X 0.075 m =					28.125
4 X 25 m X 3.75 m X 0.075 m =					28.125
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4 X 25 m X 3.75 m X 0.075 m =					28.125
4 X 25 m X 3.75 m X 0.075 m =					28.125
4 X 25 m X 3.75 m X 0.075 m =					28.125
2 X 25 m X 3.75 m X 0.075 m =					14.06
					210.935
Shamsh					
8-7-21					
JE					
Date of measurement = 31-8-21					
① const. of C.C. Pavement m ³ ...					
4 X 25 m X 3.75 m X 0.160 m =					60.00 m ³
4 X 25 m X 3.75 m X 0.160 m =					60.00
4 X 25 m X 3.75 m X 0.160 m =					60.00
4 X 25 m X 3.75 m X 0.160 m =					60.00
4 X 25 m X 3.75 m X 0.160 m =					60.00
4 X 25 m X 3.75 m X 0.160 m =					60.00
4 X 25 m X 3.75 m X 0.160 m =					60.00
2 X 25 m X 3.75 m X 0.160 m =					30.00
					450.00
Shamsh					
31-8-21					
JE					

Continuation

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Boundary & Fencing					
① Benchmark pillars					
2 NOS. P-5					
Q 3724=04 each ₹ 7448=00					
② Reference pillars.					
6 NOS. P-5					
Q 1705=98 each ₹ 10,236=00					
② Clearing & grubbing					
1.21 Ha P-5					
Q 52966=72/Ha ₹ 64,090=00					
③ Box cutting					
78.50 m ³ P-5					
Q 74=23/m ³ ₹ 5,827=00					
④ Const. of embankment with roadways earthy.					
47.10 m ³ P-5					
Q 26=17/m ³ ₹ 1,233=00					
⑤ Const. of embankment with 100 m lead					
1227.910 m ³ P-3					
Q 142=26/m ³ ₹ 174,682=00					
⑥ Const. of embankment with 1000 m lead.					
2846.840 m ³ P-3					
Q 187=92/m ³ ₹ 534,974=00					
⑦ Const. of subgrade & earth shoulder					

Q. ₹ 798,490=00
Continuation

798,470.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
with 1000 m. lead.					
491.13 m ³ P-5					
@ 189.55 / m ³ ₹					93,099.200
(8) Const. of subgrade & earthen shoulder with 100 m. lead.					
1145.97 m ³ P-5					
@ 154.29 / m ³ ₹					176,812.00
(9) Providing 6:50 gr-I-...					
833.50 m ³ P-6					
@ 2453.67 / m ³ ₹					2045,134.00
(10) Providing u.B.M gr-III-...					
210.935 m ³ P-7					
@ 2995.58 / m ³ ₹					631,873.00
(11) Const. of C.C. pavement m ² ... all complete.					
450.00 m ³ P-7					
@ 5986.69 / m ³ ₹					2694,010.00
(12/24) E.W. in excavation in find.					
62.64 m ³ P-4					
@ 279.09 / m ³ ₹					17,482.00
(13/25) Providing PCC m ³ m ² ...					
11.40 m ³ P-4					
@ 4786.85 / m ³ ₹					54,570.00

00. ₹ 65,11,470.00

Continuation

65,11,470=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Providing P.C.C. m20 in sub-structure					
60.68 m ³ P-4					
@ 5501=86/m ³ -2				333	853=00
(15) Painting on parapet					
49.92 m ² P-5					
@ 100=76/m ² -2					5,030=00
(16) Providing & laying N.P. 3 600mm dia H.P.					
30.00 m P-4					
@ 2191=95/m-2					65,758=00
(17) Providing & laying 300mm dia H.P. for irrigation					
60 m P-4					
@ 956=32/m-2					57,379=00
(18) Dismantling cement concrete					
1.80 m ³ P-4					
@ 496=96/m ³ -2					895=00
(19) Dismantling cement mortar					
51.99 m ³ P-4					
@ 235=20/m ³ -2					12,228=00
(20) Removing H.P. 600mm dia					
22.50 m P-4					
@ 181=13/m-2					4,075=00

C.O. 6990,688=00
Continuation

Continuation